

## Ultraminiature 1 Amp PCB Telecom Relay

## PC307



### FEATURES

- Ultraminiature design
- PC Terminals on .1 in. grid pattern
- Contact capacity from 1 mA to 1A
- Meets FCC part 68 voltage surge
- Class "B" insulation standard
- High sensitivity, 150 mW nominal power
- Sealed, immersion cleanable



File # E86876

### UL/CSA RATINGS

Contact Form	1 Form C SPDT
Rated Load	0.5A @ 125VAC; 1A @ 30 VDC
Max. Switching Current	1 Amp
Max. Switching Voltage	125 VAC / 60 VDC
Max. Continuous Current	2 Amps
Max. Switching Power	62.5 VA / 30 W
Minimum Load	1 mA @ 5 VDC

### CONTACT DATA

Material	Ag (Fine Silver) Ag + Au (Fine Silver Gold Clad)	
Initial Contact Resistance	100 milliohms max @ 0.1A, 6VDC	
Service Life	Mechanical	5 X 10 <sup>6</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

### CHARACTERISTICS

Operate Time	5 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH between coil and contacts 1,000 megohms min, at 500VDC, 50%RH between open contacts
Dielectric Strength	1000 Vrms, 1 min. between coil and contacts 400 Vrms, 1 min. between open contacts
Surge Resistance	1500 V, between coil and contacts (FCC Part 68)
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 3.3 mm, 10 - 55 Hz
Power Consumption	0.15 W
Ambient Temperature Range	-30 to 70 C operating and storage
Weight	2.2 grams approx.

### ORDERING INFORMATION

Example:	PC307	-12	G	-X
Model				
Coil Voltage				
Contact Material				
G: Fine Silver Gold Clad, N: Silver Nickle Gold Clad				
RoHS Compliant				
Nil: Not Rohs, -X: RoHS Compliant				

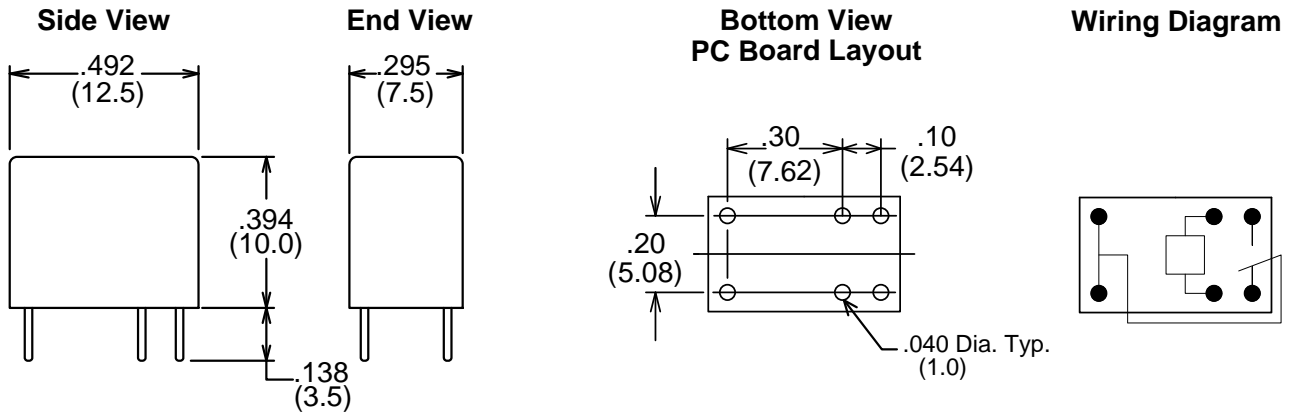
**COIL DATA**

Coil Voltage	Resistance ohms $\pm$ 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
1.5	15	1.2	0.15	3.0
3	60	2.4	0.3	6.0
5	167	4.0	0.5	10.0
6	240	4.8	0.6	12.0
9	540	7.2	0.9	18.0
12	960	9.6	1.2	24.0
24	3840	19.2	2.4	48.0

Note: Custom coil voltages within the ranges shown are available on special order.

**Dimensions in Inches (millimeters)**

**Drawings are 2X actual size**



Notes:

Tolerances  $\pm$  .010 unless otherwise noted



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